

[54] **QUICK-SETTING BITUMINOUS EMULSION COMPOSITIONS**[75] Inventors: **Richard L. Ferm, Lafayette; Chester C. Latif, Turlock, both of Calif.**[73] Assignee: **Chevron Research Company, San Francisco, Calif.**[21] Appl. No.: **173,232**[22] Filed: **Jul. 28, 1980****Related U.S. Application Data**

[60] Continuation of Ser. No. 16,653, Mar. 1, 1979, abandoned, which is a division of Ser. No. 255,604, May 22, 1972, Pat. No. 4,193,816, which is a continuation-in-part of Ser. No. 672,746, Oct. 4, 1967, abandoned, and Ser. No. 757,137, Sep. 3, 1968, abandoned, and Ser. No. 68,502, Aug. 31, 1970, abandoned.

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**ABSTRACT**

Quick setting, anionic bitumen emulsion compositions, suitable for road paving, recreational surfaces, etc., are formulated by emulsifying the bitumen in water with an ammonium or alkali metal salt of a hydrocarbon-substituted sulfuric, sulfonic, phosphoric or phosphonic acid emulsifier, mixing the emulsion with a fine aggregate and, prior to spreading the aggregate emulsion mixture, introducing an alkaline earth metal set initiator. The resulting composition rapidly breaks to a hard cohesive structure, so as to permit early use by traffic.

**13 Claims, No Drawings**